

PHENIX WEEKLY PLANNING

9/27/2007

Don Lynch

2007 Fall Shutdown Schedule

T
e
c
h
n
i
c
a
l

S
u
p
p
o
r
t

+

2
0
0
7

2007 PHENIX Shutdown

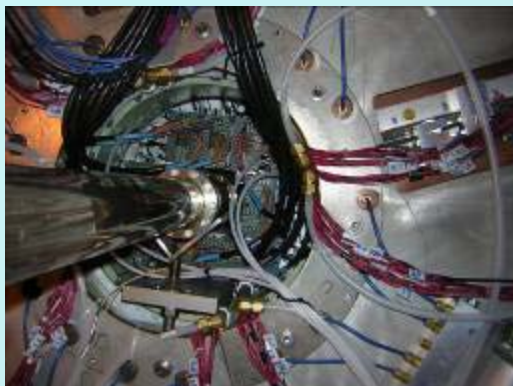
September 2007: Mu Trigger prototype tests, more decapacitor removals, move CM to run position, reinstall MPC south, MuTrigger mockup tests,

October 2007: replace MMS lampshade, install neutron shielding (borated PE) test, move EC to IR, reinstall MuID collars, Electronics cooling upgrade (C-A) Prep IR for run, DC East repair, install new CM access

2007 Summer Shutdown Schedule (cont'd)

T
e
c
h
n
i
c
a
l
S
u
p
p
o
r
t
+
2
0
0
7

<u>Item</u>	<u>Start</u>	<u>Finish</u>
MPC North Installation	Done	Done
Elec. Cooling Water upgrade (CA)	In progress	10/31
CM Move to Run position	Done	Done
MPC South Installation	In Progress?	10/5
Borated PE neutron shield installation	In progress	10/12
Remove HBD East	10/1	10/2
More decapacitor removals	10/1?	10/12?



9/20/2007

Weekly Planning Meeting

2007 Summer Shutdown Schedule (cont'd)

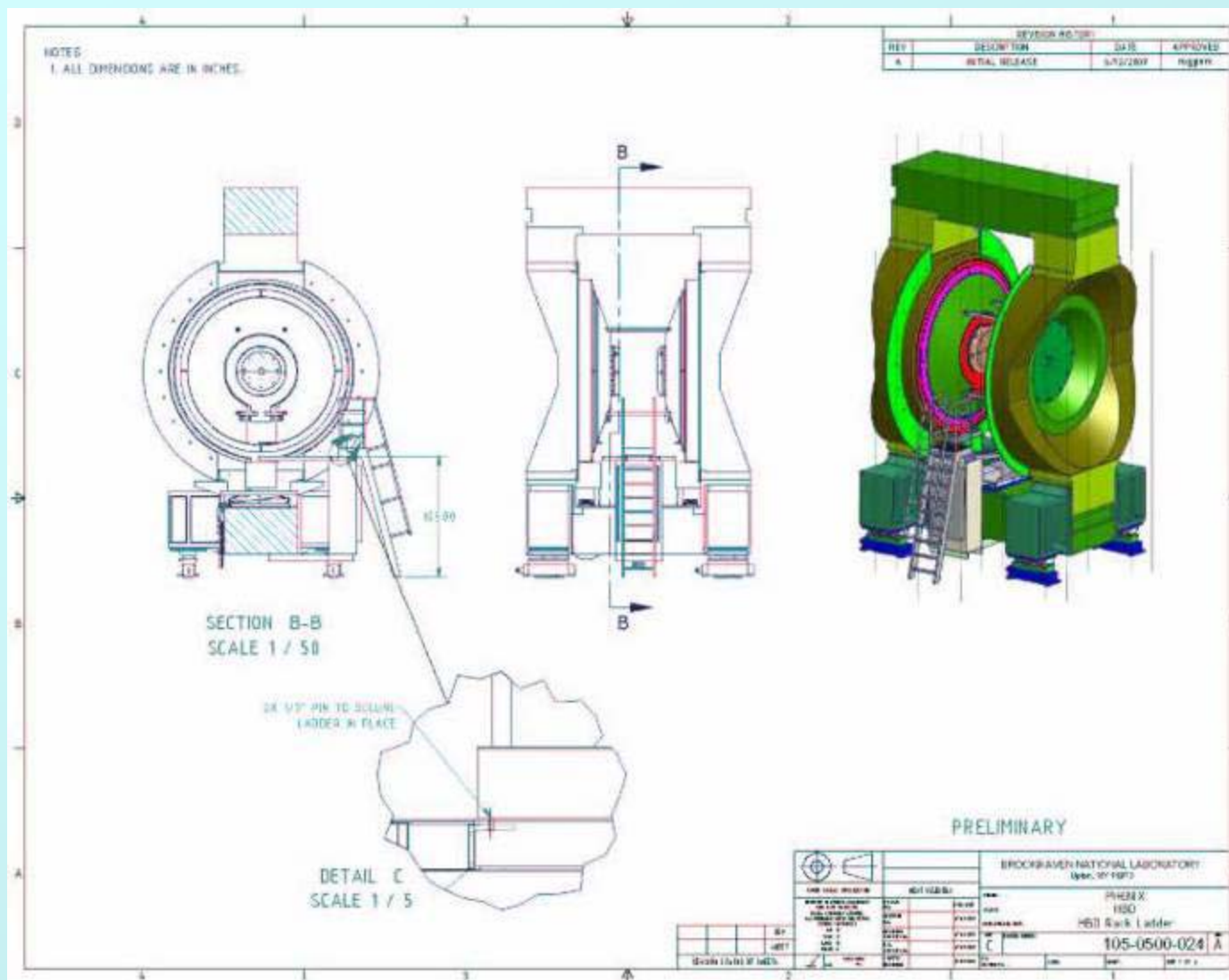
T
e
c
h
n
i
c
a
l
S
h
u
t
d
o
w
n
2
0
0
7

Item	Start	Finish
HBD Pre survey at SB	11/26	11/30?
HBD West Mechanical/Gas Reinstall	12/3?	12/17?
HBD EAST Mechanical/Gas Reinstall	???	???
HBD Electrical Reinstall	???	???
HBD installation survey	10/1?	12/22?
Reinstall MMS East Vert. Lampshade	10/1	10/5
EC Roll In	10/8	10/10
C-A fold scaffolding	10/8	10/8
Move MuID collars to IR	10/9	10/9
Remove Plates, cart & move Manlift	10/9	10/9
Roll in-to IR and North to run pos.	10/10	10/11
PHENIX techs reconnect water, elect., gas, fibers	10/22	10/26
Carpenters restore scaffolding, Re-install lift & ladder, re-connect gas sniffers	10/22	10/26
Mike Rau re-install lift wiring, Re-connect TOF blower	10/22	10/26
DC East repair	10/12	10/19
HBD/MPC/Other TBD Commissioning	10/1	10/31
Assemble shield wall	10/22	10/26
Shield wall roll in	10/29	10/31
Start of Run 8 (Cooldown)	11/1	11/1



CM Ladder/Stair Shutdown Access

TECHNICAL SUPPORT NOON



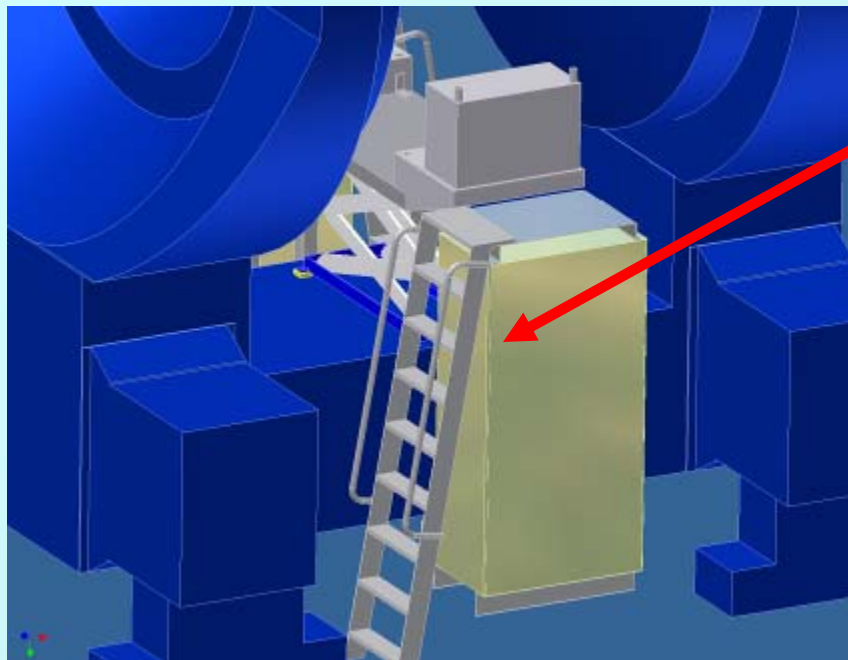
- PO pinned
Waiting for
delivery
- Purchasing
SNAFU causes
delay
- Delivery ~10/5

9/20/2007

Weekly Planning Meeting

CM Ladder/Stair Run Access

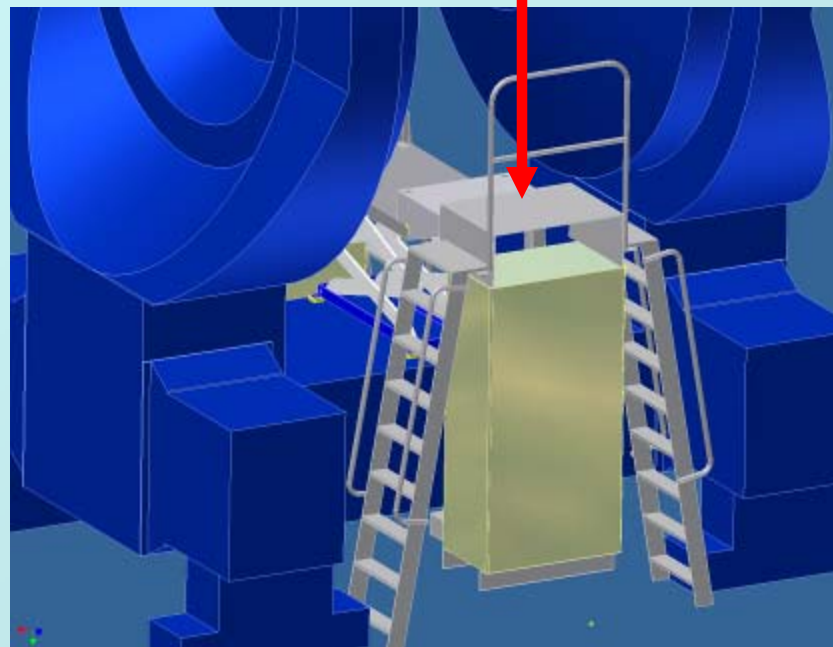
TECHNICAL SUPPORT 2007



East access

Place orders this week

West access

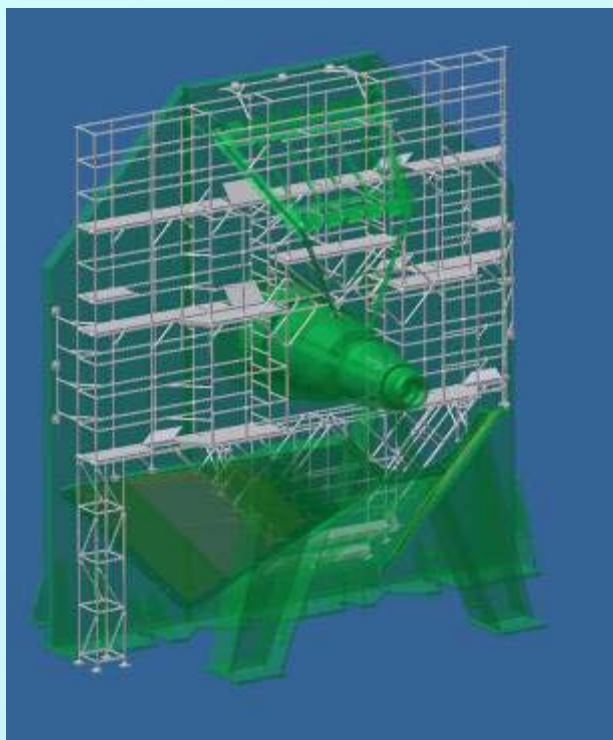


Features:

- ~70 deg. Alum ships ladder
- (1 or 2) lifts off to store vertically for run and/or to access rack doors.
- Step up platform above rack and cables.

- Can be used on either east or west side
- Hand rails on ladders. Safety rail on platform

Station 1 , 2, 3 access plan

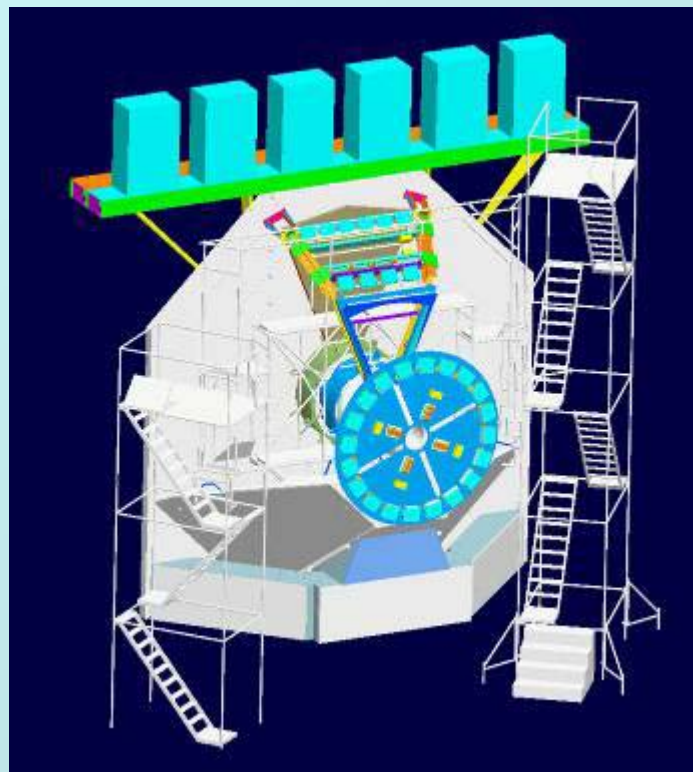


Use existing MMN scaffolding components

Sta. 1: modify to adapt to rails

Sta 2N & 3N: Internal to MMN only.
Adapt to work with most lampshades on.

Sta 2S & 3S: TBD



TECHNICAL SUPPORT NOON

RPC Factory Issues

T
e
c
h
n
i
c
a
l

S
u
p
p
o
r
t

+

2
0
0
7



- Now-to-factory-operation schedule
- Factory Work Plan
- Detector assembly /test procedure
- Gas system operating procedure
- Electrical/electronics review
- Final walkthru



What we can do now:

Install and move in furniture, equipment, gas piping and leak tests, and test equipment operations



What we can't do now:

Operate gas system (other than N2 leak tests), store, assemble and/or test detector modules and/or other components.

RPC Factory Issues

T
e
c
h
n
i
c
a
l
S
u
p
p
o
r
t
+
2
0
0
7



9/20/2007

Weekly Planning Meeting

Mu Trigger Station 1 and 2 Upgrades

TESTING - 9/20/07

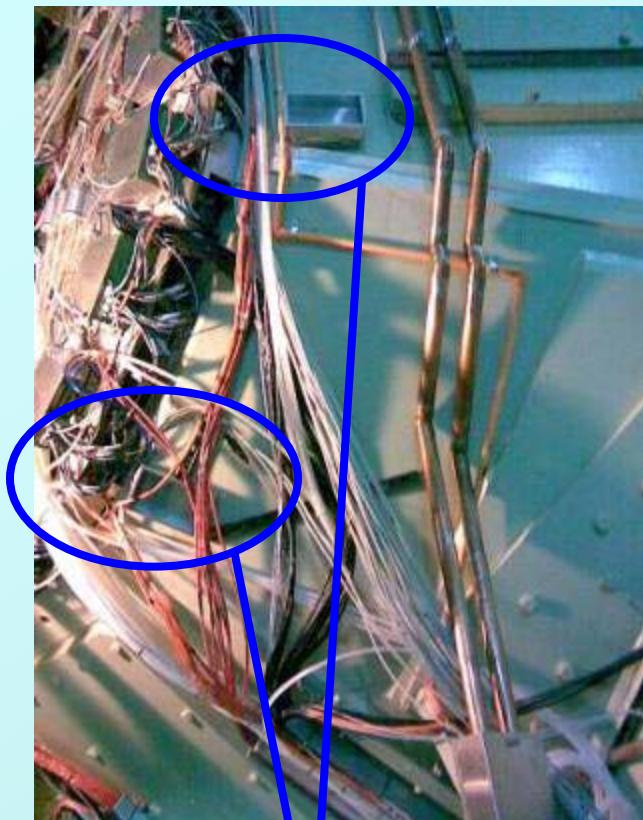


9/20/2007

Weekly Planning Meeting

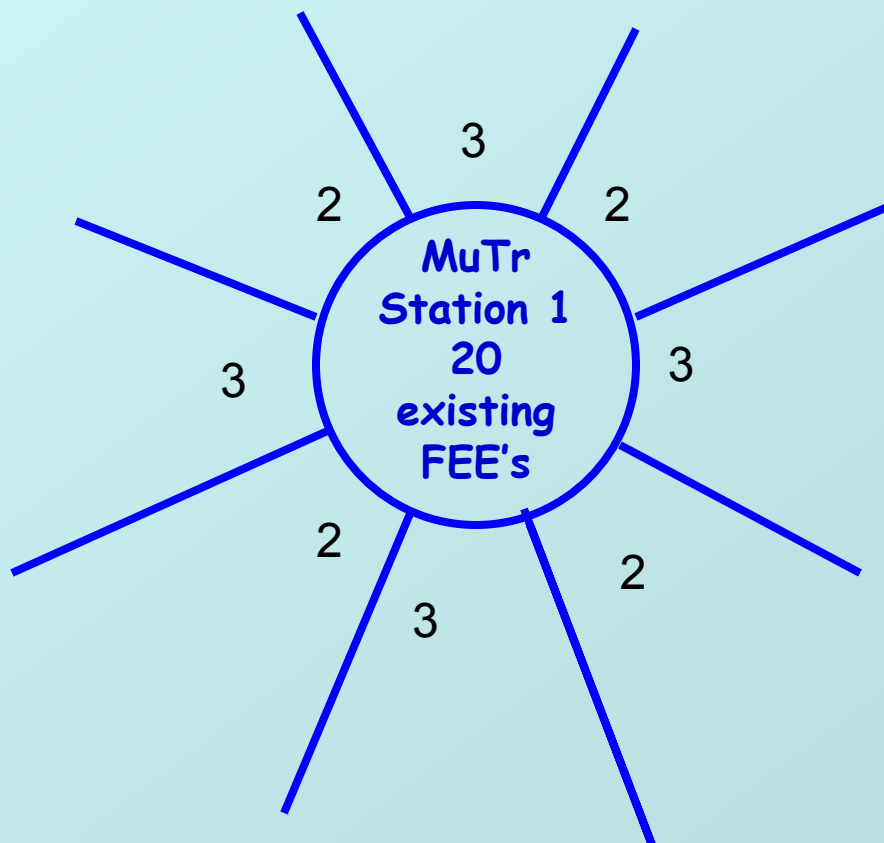
Mu Trigger Station 1 and 2 Upgrades

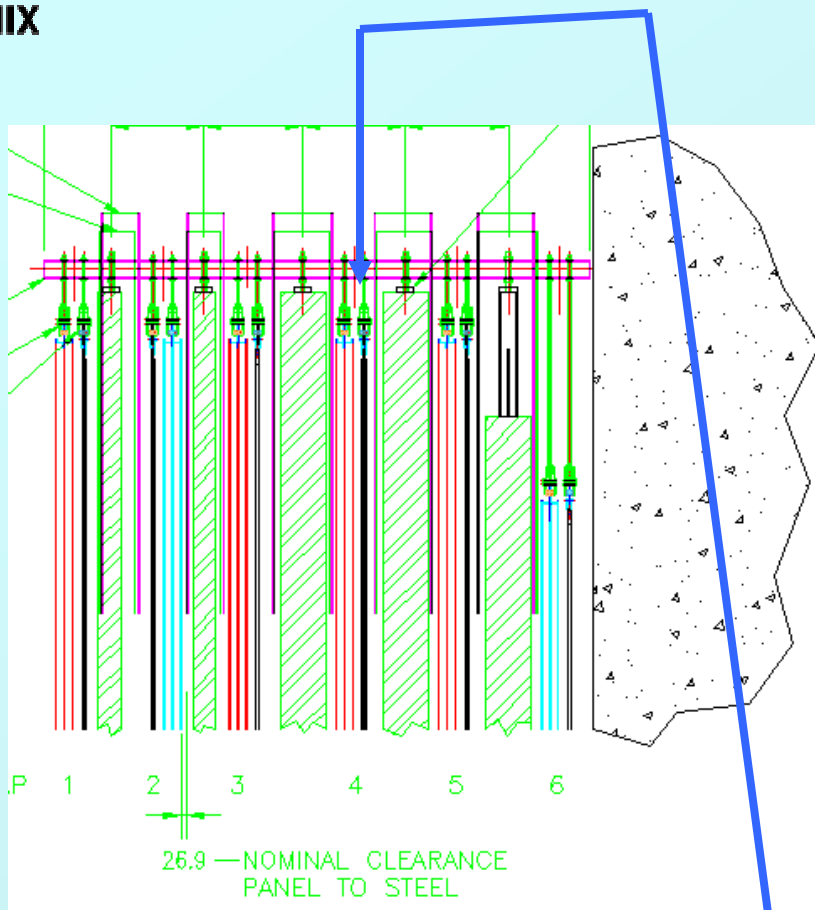
TECHNICAL SUPPORT 2007



Mockup boxes to be in place when the CM moves north

We plan to make a couple of mockups of the AD and TX boxes to test fit in potential station 1 locations





Shield to be fly cut to
1.25" thick, drilled and
Tapped for 3/8-

Other Work

- Empty (except clean metal waste) and discard old container



- Neutron shielding test (4' x 4' x 2" borated polyethylene)

Shield support design in progress
Install in October for Run 8 tests

Safety, Security, Etc. :

- * Check your training records to make sure you are up to date
- * Remember to follow the 2 person rule.

At least 2 people in the IR/AH when doing work
or in continuous communication (e.g. radio) with someone
in counting house

- * Performance Appraisals
- * PPE update - no update
- * Crane & Rigging apparatus inspections?

T
e
c
h
n
i
c
a
l
S
u
p
p
o
r
t
+
2
0
0
7

5 Year Plan

T
e
c
h
n
i
c
a
l

S
u
p
p
o
r
t
+

2
0
0
7

- | | |
|------|--|
| 2007 | HBD Repairs, DC (minor) repairs), MPC N&S upgrade, MuTr FEE upgrade prototype, infrastructure upgrades & repairs, misc. subsystem work |
| 2008 | MuTr FEE upgrades 1 octant 1&2 S, Cu absorber test, RPC3 S, infrastructure upgrades & repairs, misc. subsystem work |
| 2009 | Scaffolding in MMS and MMN, MuTr FEE N&S stn. 2 & 3, MuTr N&S stn. 2 & 3 repairs, RPC2 S&N, RPC3 N, Cu absorbers, infrastructure upgrades & repairs, misc. subsystem work |
| 2010 | Remove HBD & RXNP, remove beampipe, DC West upgrade, VTX barrel, RPC1 N&S, MuTr FEE stn. 1 N&S, MuTr stn. 1 N&S repairs, infrastructure upgrades & repairs, misc. subsystem work |
| 2011 | NCC S, FVTX, infrastructure upgrades & repairs, misc. subsystem work |
| 2012 | NCC N, upgrades contingency & wishlist, infrastructure upgrades & repairs, misc. subsystem work |

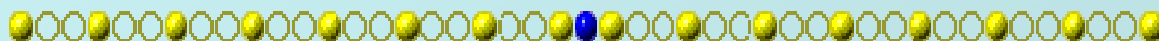
** Years refer to the shutdown year and follow the run with the similar number (i.e. work in 2007 is to be done in the shutdown that follows run 7, and so on)*

Where To Find PHENIX Technical Info



Fall is officially here.
But...
Will the Mets
Make it to Oct.?

Links for the weekly planning meeting slides, long term planning, pictures, videos and other technical info can be found on the web site:



http://www.phenix.bnl.gov/WWW/INTEGRATION/ME&Integration/DRL_SSint-page.htm